

Message Text

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73

ORIGIN INT-08

INFO OCT-01 NEA-05 SCI-01 RSC-01 ADP-00 /016 R

66639

DRAFTED BY: INT: OSW RHEVANS 3/23/73

APPROVED BY: NEA/ ARPFMDICKMAN

MR. WRAMPPELMEIER

----- 008877

R 232238 Z MAR 73

FM SECSTATE WASHDC

TO AMEMBASSY JIDDA

UNCLAS STATE 054223

E. O. 11652 N/ A

TAGS: TECH, S. A.

SUBJ: JIDDA DESALTING PLANT

FROM SECSTATE / INTERIOR-- EVANS

REF: JIDDA 1119

A. CRITICAL ITEMS ON ORIGINAL OSW LIST ARE CONAM' S NOS. 1,2,
3, 4, 5, 6, 7, 8, 9. DETAILED COMMENTS FOLLOW:

1. CONAM ESTIMATE ONLY COVERS " C" PUMP. CONAM SHOULD ORDER
3 BELL MOUTHS, 1 COMPLETE COLUMN, 1 SHAFT COMPLETE WITH
BEARING SLEEVES. MUST INSPECT " B" PUMP.

2. OSW WILL FORWARD DESIGN DRAWING OF MODIFIED CRANE STRUCTURE
AS SOON AS POSSIBLE.

3. NO COMMENT.

4. , 6., 7., & 8. OSW WILL FORWARD NEW DESIGN DRAWING FOR MU
LINE FROM MU PUMPS ALL THE WAY TO DEARERATOR.

5. NO COMMENT ON COST BUT SHOULD CONSIDER ITEM CRITICAL.

9. SHOULD ADD DALL FLOW TUBE MEASURING DEVICE IN PRECONDENSER
CIRCULATING WATER CIRCUIT AND POSSIBLY IN CIRCUIT TO INTERCON-
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DENSERS. ADD COST OF ADDITIONAL STEAM LINE (1-1/2") TO AIR EJECTOR WITH CROSS CONNECTION TO NO. 1&2 EVAPORATORS.

10. SUGGEST RUNNING 316 L SS LONGITUDINAL CHANNELS BENEATH DEMISTERS FOR SUPPORT.

11. SUGGEST PERMANENTLY FIXING BRINE GATE ORIFICES IN ORIGINAL POSITIONS. REMOVE ADJUSTABLE LINKAGE ARMS SINCE ONLY SOURCE OF TROUBLE.

12 M SUGGEST ONLY REPLACE DISTILLATE LEVEL TUBING IN FIRST AND LAST STAGE OF EACH VESSE L. REMOVE OTHER AND SEAL OFF.

13. SUGGEST LINING FIRST EIGHT STAGES WITH 12 BWG 316 L SS ALL THE WAY UP TO DEMISTERS. HOWEVER, STAGE ONE IS A CRITICAL ONE AND CAN BE DONE FIRST. STRIPS OF STAINLESS STEEL WILL HAVE TO BE USED. AT JOINTS WHERE ONE STRIP OF STAINLESS STEEL IS BUTT-WELDED TO ANOTHER, AQUA-CHEM USES 309 WELDING ROD. THEN WELD A THIN STRIP OF 316 STAINLESS OVERLAPPING THE JOINT AND WELDED WITH 316 WELDING ROD. THIS HAS BEEN USED SUCCESSFULLY OTHERWISE YOU GET CORROSION IN HEAT AFFECTED ZONE OF WELD. STICK WELDING SHOULD BE UTILIZED THROUGHOUT. THIS THIN GAGE STAINLESS STEEL IS RECOMMENDED TO ASSIST IN FORMING AROUND THE IRREGULAR SHAPES IN THE STAGES.

B. OSW APPROVES CONAM'S ESTIMATE IN TOTAL COST ONLY SINCE INDIVIDUAL FIXES MAY VARY AS TO METHOD AND COST. FINAL NEGOTIATIONS CAN BE CONDUCTED WITH CONAM ON DETAILS LATER AFTER COMPARING WITH B&R ENGINEERING AND ESTIMATE. CONAM FEE SHOULD BE SUBJECT OF NEGOTIATIONS.

C. LIST OF NON-CRITICAL ITEMS WITH ESTIMATE WILL BE FORWARDED WEEK OF MARCH 25.

D. DETAILED COST ESTIMATE OF CRITICAL ITEMS WILL BE FORWARDED WEEK OF MARCH 25, TOGETHER WITH ENGINEERING DESIGN DRAWINGS OF CRANE MODIFICATIONS AND MAKEUP LINE.

E. OSW AGREES WITH WORDING OF JIDDA 966 PARAGRAPH 4. ROGERS

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*** Current Handling Restrictions *** n/a

*** Current Classification *** UNCLASSIFIED

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